

## Chemical composition of $\delta$ Scuti stars: 1. AO CVn, CP Boo, KW Aur

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### Abstract

We used high-resolution echelle spectra acquired with the 1.5-m Russian-Turkish Telescope to determine the fundamental atmospheric parameters and abundances of 30 chemical elements for three  $\delta$  Scuti stars: AOCVn, CP Boo, and KWAur. The chemical compositions we find for these stars are similar to those for Am-star atmospheres, though some anomalies of up to 0.6-0.7 dex are observed for light and heavy elements. We consider the effect of the adopted stellar parameters (effective temperature,  $\log g$ , microturbulent velocity) and the amplitude of pulsational variations on the derived elemental abundances. © 2012 Pleiades Publishing, Ltd.

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